AE:E/ SSD/ SRA/ 000012 dt. 22/4/19

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 1st and Final Bill

Division: **BBMP, Dasarahalli**

Sub-Division: **Shettyhalli Sub Division**

Date.....

Received No. Dated Divisional / Sub Divisional D.R.No. :

Cash Book Voucher No..... Dated.....
Schedule Docket No. Head of Account:

Est.Cost: 40.00 Lakhs

Name of Work (as per sanctioned estimate) :	**Drilling of Borewell and providing water facilities in ward no.13 Shettyhalli Sub Division.**
Name of Contractor and Full Address :	**Sri Muniraj Naik, No.58, Rayan Nagara, Nelamangala, Bangalore 562123**
Reference to Agreement No	**EE / DD / WO / 341 / 18-19 dated : 21.02.2019.**

Certified that the measurements were taken by me on 3/4/19 and recorded in Pages 66432 to 66444 Of measurement Book No 665/17-18 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 3/4/19....and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment **Work Code: 013-19-000026 (P code- P1802)**

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of
   b. Payments Now made { cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor adjustments/items.
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

Total amount adjusted -

1st and Finall Bill → 34598=00

IT → 34598=00
LWC → 34598=00
LR → 6548=00
CBF → 3460=00
CyST → 30891=00
SGST → 30891=00
PD → 17298=00

Net Amount → 331876=00

314577

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

(For use in the Office)

Audited and admitted for Rs. 34598=00

Passed by Cheque for Rs. 331876=00 / 314577=00

Stamp

313973=00

140986=00

by adjustment

Accounts Superintendent **Executive Engineer**

B.B.M.P. Dasarahalli Division

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Sl. No.	Description of Item	Unit	Previous Measurements		Present Measurements			Total up to date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Geophysical investigation of site for sinking borewell for supplying drinking water to habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding adopting venner or schlumbergers's method, including reconnaissance survey of geologi formation, Geological investigation of existing ground water in vicinity, its quality, quantity acceptability of the users indicating the location of site, recommended depth of casing pi required to seal the top unconsolidated formation including an extra depth of 1.0 mtr consolidated formation for proper seating of casing pipe, depth of drilling required to cover depth of aquifer proposed to be tapped, probable yield and other information required includi transportation of instrument and accessories to work site, engaging technical personal a labour required complete as per specifications and directions of the Engineer-in-charge.	Each	-	-	4.00	2065.00	8260.00	4.00	8260.00
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipe collars & cap with necessary cutting, threading & welding including transportation of rig a supporting vehicle, crew charges & cost of consumables etc., complete including yield testing the final depth with minimum working of compressor for one hour(excluding cost of casing pipe collars, cap etc., complete as per specifications and as per the direction of Engineer-in-charge the work. 0.00 to 50.00 Mtr.	Rmt	-	-	200.00	315.80	63160.00	200.00	63160.00
3	50.00 to 100.00 Mtr.	Rmt	-	-	200.00	412.60	82520.00	200.00	82520.00
4	100.00 to 150.00 Mtr.	Rmt	-	-	200.00	458.35	91670.00	200.00	91670.00
5	150.00 to 200.00 Mtr.	Rmt	-	-	200.00	484.10	96820.00	200.00	96820.00
6	200.00 to 250.00 Mtr.	Rmt	-	-	200.00	560.32	112064.00	200.00	112064.00
7	250.00 to 300.00 Mtr.	Rmt	-	-	200.00	600.49	120098.00	200.00	120098.00
8	300.00 to 350.00 Mtr	Rmt	-	-	200.00	622.00	124400.00	200.00	124400.00
9	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick blac electric resistance continous welded midle steel tube material confirming to IS 1387/1993 an manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both end threaded confirming etc., complete as per specifications and as per the direction of Engineer-in charge of the work.	Rmt	-	-	168.00	13.25	2226.00	168.00	2226.00
10	Providing and fixing 250mm dia PVC pipe etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmt	-	-	24.00	1100.00	26400.00	24.00	26400.00
11	175 mm dia M.S. Casing cap etc., complete as per specifications and as per the direction o Engineer-in-charge of the work.	Each	-	-	4.00	100.00	400.00	4.00	400.00
12	supply of 175mm M.S collars each etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	-	-	28.00	150.00	4200.00	28.00	4200.00
13	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000. HP 25 stage etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	-	-	4.00	63986.90	255947.60	4.00	255947.60

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Sl. No.	Description of Item	Unit	Previous Measurements		Present Measurements			Total up to date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
14	Providing and fixing to wall, ceiling and floor galvanised / mild steel tube nominal bore fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour cha HOM and testing complete as per specifications and as per the direction of Engineer-in-c of the work.	Rmtr	-	-	1040.00	542.72	564428.80	1040.00	564428.80
15	Coller complete as per specifications and as per the direction of Engineer-in-charge of the w	Each	-	-	108.00	212.00	22896.00	108.00	22896.00
16	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 6 1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 4 sqmm of 56 strands 0.3mm dia etc., complete as per specifications and as per the directio Engineer-in-charge of the work.	Mtr	-	-	1140.00	164.29	187290.60	1140.00	187290.60
17	Supplying and delivery at site brand new star/Essen/Lotus/Sun shines?Adarsh ?GK control indigenous make combined energy meter cum control panel board unit of size 1200x600x mm minimum mechanically strong vermin and water proof. The unit shall have two spring ke latch, locking device with a key ribs should be provided the combined energy meter cum con panel board unit suitable for operation on 3ph, 50Hz, 380/440 volts AS supply shall be consi etc., complete the panel board shall be consists etc., complete the panel board shall fabricated on single unit in the above components panel board for suitable pumpset with s delta starter out door 15 HP to 25HP etc. complete as per specifications and as per the direct of Engineer-in-charge of the work.	No's	-	-	4.00	14800.00	59200.00	4.00	59200.00
18	Fabricating suplying and mounting MS bos of 16 SWG suitable for floor/wall mounting, fu weather proof with provision for better hear description, (providing with hinged front cove equipped with tamper proof locking arrangements with suitable size clamps with necessary co entry pipe with glande and box should be finished 2 coats of red oxide primes paint and fina finished with approved colour enamelled metal paint etc., complete box of 21600 sq c complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm cm	-	-	88000.00	0.34	29920.00	88000.00	29920.00
19	Providing and fixing of clamps set and borewell cap to the pump (MR) complete as p specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	1800.00	7200.00	4.00	7200.00
20	Supplying and delivery of brand new best make non return valve of size 50mm as per IS:7789 with latest amendments with ISI mark (50mm gate wheel valve) complete as per specificatio and as per the direction of Engineer-in-charge of the work.	No's	-	-	8.00	1016.95	8135.60	8.00	8135.60
21	Supplying and delivery of brand new best make Gate valve of size 50mm as per IS:778/84 wit latest amendments with ISI mark (50mm gate wheel valve) complete as per specifications an as per the direction of Engineer-in-charge of the work.	No's	-	-	16.00	1482.21	23715.36	16.00	23715.36
22	Providing and fixing of 50mm GI shortbend to motor complete as per specifications and as pe the direction of Engineer-in-charge of the work.	No's	-	-	8.00	232.14	1857.12	8.00	1857.12
23	Providing and fixing of 50mm GIGI union to the motor complete as per specifications and as pe the direction of Engineer-in-charge of the work.	No's	-	-	8.00	237.12	1896.96	8.00	1896.96
24	Supplying and fixing of 50mm GI Elbow complete as per specifications and as per the directio of Engineer-in-charge of the work.	No's	-	-	4.00	111.80	447.20	4.00	447.20

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Sl. No.	Description of Item	Unit	Previous Measurements		Present Measurements			Total up to date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
25	Labour charges for erection of new/repaired submersible pumpset along with GI ... (32/50mm) cable (new submersible pumpset if required will be supplied by the department ... of cost and released pump set should be handed over to department) including transport ... complete as per specifications and as per the direction of Engineer-in-charge of the work.	per length	-	-	208.00	90.64	18853.12	208.00	18853.12
26	Erection of combined panel board and meter unit with necessary materials and labour inclu... providing CC 1:3:6 foundation bed etc., complete for basement out door type. complete as ... specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	475.00	1900.00	4.00	1900.00
27	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution noards to... necessary fising materials and wiring complete as required, 40 to 63 amps. complete as ... specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	906.40	3625.60	4.00	3625.60
28	Supplying and laying of L.T.U.G cable having aluminium conductor PVC insulated sheath ... galvanised steel wire/steel tape armoured cable with pVC outer shething 101 KV class 4 core ... sqmm cable (confirming to IS-1554). complete as per specifications and as per the direction ... Engineer-in-charge of the work.	Mtr	-	-	140.00	169.95	23793.00	140.00	23793.00
29	Digging of renches of 0.6mm x 0.50 mtrs wide refilling the trench to the required ground le... and consolidating etc., complete sutting road surfaces. complete as per specifications and ... per the direction of Engineer-in-charge of the work.	Mtr	-	-	140.00	56.65	7931.00	140.00	7931.00
30	Supplying and fixing class-A GI pipe on pole/wall/drain crossing with necessary clamps ... arrangements for UG cable of 1.1 KV class 40mm. complete as per specifications and as per ... direction of Engineer-in-charge of the work.	Mtr	-	-	12.00	249.26	2991.12	12.00	2991.12
31	Supplying and fixing wiring, earth electrode for grounding conduits IC Cutouts and oth... equipment on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 Mtr long buried in ... pit.. The pit should be filled with equal proportion of salt and charocoal 150mm alround the pi... to complete depth. The connections from the pipe to the conduit etc., is to be estblished thoug... GI wire of size as per ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers an... checknuts etc., complete as per specifications and as per the direction of Engineer-in-charge ... the work.	No's	-	-	4.00	1699.50	6798.00	4.00	6798.00
32	Supplying and fixing LT cast iron pot heads suitabe for 1.1 KV class UG cable filled wi... necessary bitumen /insulating compound complete, with terminal, clamps, bolts nuts an... washers etc., complete as per specifications and as per the direction of Engineer-in-charge ... the work.	No's	-	-	4.00	271.92	1087.68	4.00	1087.68
33	Supplying shunt capacitor's confirming to IS 2834, 3 phase 400/440 volts grade for power fact... improvements of roating machinery capacitor in KVAR rating No's. complete as p... specifications and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	1350.00	5400.00	4.00	5400.00
34	Providing and fixing Gun metal gate wheel valve confirming to IS specification of approved mak... as per direction including all lead and lift., complete 50mm dia. complete as per specificatior ... and as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	778.04	3112.16	4.00	3112.16
35	Supplying and fixing of polished wood board made of not less than 15mm thick plank on bot... sides with planks made out on not more than 2 pieces and fixing the same to wall using tapere... inverted wooden plugs screwes etc., size 20x20x2.5 inches. complete as per specifications an... as per the direction of Engineer-in-charge of the work.	No's	-	-	4.00	311.58	1246.32	4.00	1246.32
36	Erection of pumping machineries. complete as per specifications and as per the direction ... Engineer-in-charge of the work.	No's	-	-	4.00	900.00	3600.00	4.00	3600.00

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Sl. No.	Description of Item	Unit	Previous Measurements		Present Measurements			Total up to date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
37	KPTCL deposit charges complete as per specifications and as per the direction of Engineer-in-charge of the work.	L/S	-	-	4.00	13300.00	53200.00	4.00	53200.00
38	Borewell registration charges per Rs. 1000 each for BWSSB. complete as per specifications and as per the direction of Engineer-in-charge of the work.		-	-	4.00	1000.00	4000.00	4.00	4000.00
39	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	-	-	320.00	316.94	101420.80	320.00	101420.80
40	Providing and fixing chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling, and testing of joints complete (external work) 40mm nominal OD pipes complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmt	-	-	500.00	309.52	154760.00	500.00	154760.00
41	Providing and fixing chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling, and testing of joints complete (external work) 25mm nominal OD pipes complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmt	-	-	30.00	189.74	5692.20	30.00	5692.20
42	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching refilling & testing of joints complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmt	-	-	12.00	154.76	1857.12	12.00	1857.12
43	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	-	-	20.00	1102.40	22048.00	20.00	22048.00
44	Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	-	-	20.00	149.46	2989.20	20.00	2989.20
45	Supplying of 40mm dia Elbows complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	-	-	20.00	76.53	1530.60	20.00	1530.60
46	Supplying of 25mm dia Elbows complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	-	-	20.00	36.15	723.00	20.00	723.00
47	Supplying of 40mm dia Union complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	-	-	20.00	156.67	3133.40	20.00	3133.40
48	Supplying of 25mm dia Union complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	-	-	20.00	82.57	1651.40	20.00	1651.40
49	Supplying of 25mm dia Nipple. complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	-	-	20.00	34.03	680.60	20.00	680.60
50	Supplying of 40mm dia Reduce. complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	-	-	20.00	43.46	869.20	20.00	869.20

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Sl. No.	Description of Item	Unit	Previous Measurements		Present Measurements			Total up to date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
51	Supplying of 25mm dia Reducer socket. complete as per specifications and as per the direct of Engineer-in-charge of the work.	Nos	-	-	20.00	29.83	596.60	20.00	596.60
52	Supplying of 40mm dia Tees. complete as per specifications and as per the direction of Engi in-charge of the work.	Nos	-	-	20.00	106.32	2126.40	20.00	2126.40
53	wet mix macadam KSRRB M400-17. Providing, laying, spreading and compacting cushed C stone aggregates of granite / trap / basalt to wet mix macadam specifications including mixing the material with water at OMC in mechanical mix plant carriage of mixed materials tipper to site, laying in uniform layers with paver in sub-base/base course on well prepa surface and compacting with vibratory roller to achieve the desired density complete as p specifications. MORTH Specification No. 406, complete as per specifications and as per direction of Engineer-in-charge of the work.	Cum	-	-	40.00	2001.28	80051.20	40.00	80051.20
54	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, w 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggrega @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cm thick, well compacted, in foundation including cost of all materials, labour, HOM curing comple as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	-	-	60.00	5000.00	300000.00	60.00	300000.00
55	Providing and laying cement concrete using 20mm and down size granite coarse aggregate and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and we compacted including vibrating curing etc., for all super structure works with all lead and lift etc complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	-	-	60.00	5500.00	330000.00	60.00	330000.00
56	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upt 1.5m including cost of all labour etc., complete as per specifications and as per the direction o Engineer-in-charge of the work.	Cum	-	-	272.00	170.00	46240.00	272.00	46240.00
						Total Rs	3089060.96		3089060.96
						GST add 12%	370687.32		370687.32
						Grand Total	3459748.28		3459748.28

Certificate

1 Certified that the contractor has work done satisfactorily.

2 The contractor has removed the debries from work site.

3 There is no any dept. materials issued to contractor.

Assistant Engineer
Ward No 13, Mallasandra

Assistant Executive Engineer
Shettyhalli Sub Division
BBMP, Bangalore

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